

THE COMMONWEALTH OF MASSACHUSETTS

**DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
BUREAU OF AIR QUALITY CONTROL**

**REGULATIONS FOR PREVENTION AND/OR ABATEMENT OF AIR POLLUTION
EPISODE AND AIR POLLUTION INCIDENT EMERGENCIES**

REGULATION 2 . DEFINITIONS

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When used in the “Regulations for the Prevention and/or Abatement of Air Pollution Episode and Air Pollution Incident Emergencies” and in communications, notices, or orders relative thereto, the following words and phases shall have the meanings ascribed below:

- 2.1 AIR CONTAMINANT means any substance or man-made physical phenomenon in the ambient air space and includes, but is not limited to, dust, flyash, gas, fume, mist, odor, smoke, vapor, pollen, microorganism, radioactive material, radiation, heat, sound, any combination thereof, or any decay or reaction product thereof.
- 2.2 AIR CONTAMINATION SOURCE means any place or thing capable of rendering an emission.
- 2.3 AIR POLLUTION means the presence in the ambient air space of one or more air contaminants or combinations thereof in such concentrations and of such duration as to:
 - (a) cause a nuisance;
 - (b) be injurious, or be on the basis of current information, potentially injurious to human or animal life, to vegetation, or to property, or
 - (c) unreasonably interfere with the comfortable enjoyment of life and property or the conduct of business.
- 2.4 AIR POLLUTION EPISODE means a state of the ambient air environment in which the concentrations of air contaminants are elevated to or are in excess of certain defined levels and that certain meteorological conditions are expected to continue.
- 2.5 AIR POLLUTION EPISODE ALERT (APEA) means the degree of Air Pollution Episode which meets the criteria for determination of an Air Pollution Episode

Alert as set forth in Regulation 3 of these regulations.

- 2.6 AIR POLLUTION EPISODE EMERGENCY (APEE) means the degree of Air Pollution Episode which meets the criteria for determination of an Air Pollution Episode Emergency as set forth in Regulation 3 of these regulations.
- 2.7 AIR POLLUTION EPISODE WARNING (APEW) means the degree of Air Pollution Episode which meets the criteria for determination of an Air Pollution Episode Warning as set forth in Regulation 3 of these regulations.
- 2.8 AIR POLLUTION INCIDENT EMERGENCY (APIE) means a state or condition in the environment, which in the opinion of the Commissioner, has or potentially may cause air contamination which has resulted in or potentially will result in an imminent and substantial endangerment to the public health; e.g. an APIE may be caused by a foreseeable or unforeseeable happening that has or potentially may result in an emission that may cause air pollution.
- 2.9 AMBIENT AIR means the atmosphere or a portion thereof in the air space above the geographical area of Massachusetts or portion thereof.
- 2.10 ATMOSPHERIC STAGNATION ADVISORY means an advisory, issued by the Environmental Meteorological Support Units of the National Weather Service, relative to meteorological conditions that are predicted to be manifest for 36 hours or more and to be characterized by poor ventilation and potential increases of ambient air contaminant concentration levels. (The advisories may be prepared for regions of substantial area or, as the need may dictate, for local, relatively small areas, when indicated).
- 2.11 COH - COEFFICIENT OF HAZE means the unit which quantifies the increase in photometric density of a filter tape due to deposition of particles per 1000 linear feet of air through a one inch diameter filter when sampled at the rate of approximately 0.25 cfm.
- 2.12 COMMISSIONER means the Commissioner of the Department or his official designees.
- 2.13 DEPARTMENT means the Department of Public Health.
- 2.14 EMISSION means any discharge or release of an air contaminant to the ambient air space.
- 2.15 EMISSION REDUCTION PLAN(S) (ERP) means the plans for reducing emissions during Air Pollution Episode Alerts, Warnings, and/or Emergencies.

- 2.16 ugm/M³ means micrograms per cubic meter.
- 2.17 NEWS MEDIA means certain channels of communication by which information is conveyed between persons; it includes, but is not limited to, radio, television, and newspapers.
- 2.18 p.p.m. means parts per million.
- 2.19 PERSON means any individual, partnership, association, firm, syndicate, company, trust, corporation, department, authority, bureau, agency, political subdivision of the Commonwealth, law enforcement agency, fire fighting agency, or any other entity recognized by law as the subject of rights and duties.
- 2.20 TSP means Total Suspended Particulates expressed in ugm/M³.